BRUHATH BANGALORE MAHANAGARA PALIKE

NAME OF WORK :- Improvements of road and drains in Devinagara, Balaji layout Bhadrappa layout and surrounding areas in ward no.08

						Est Cost: Rs.70.00 Lakhs		
Sl no	Description of Item	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3(Page No.146, Item No. 19.55)							
	16th cross L G halli	1	92.00	5.00		460.00		
						460.00	95.40	43884.00
							Per Sqm	
	Basic Rate 90.00							
	Area Wtg 6% 5.40							
	Net Rate 95.40							
2	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.27, Item No. 5.33)							
	13th cross	1	25.00	0.75		18.75		
	12th cross	2	38.00	0.90		68.40		
		2	90.00	0.90		162.00		
	11th B cross	2	150.00	0.90		270.00		
						519.15		
	Precast slab deduction 20% damaged slabs					103.83		
						415.32	111.30	46225.00
							Per sqm	
	Basic Rate 105.00							
	Area Wtg 6% 6.30							
	Net Rate 111.30							
3	KSRRB M200-12.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means: A. Lime Concrete, cement concrete grade M-10 and below. MORTH Specification No. 202 (Page No.139, Item No. 18.17)							
	Bhadrappa layout							
	13th cross	1	25.00	4.50	0.15	16.88		
	12th cross	1	95.00	4.50	0.15	64.13		
		1	18.00	3.60	0.15	9.72		
		1	38.00	4.50	0.15	25.65		
	11th B cross	1	56.00	2.20	0.15	18.48		
	11th B cross	1	152.00	4.40	0.15	100.32		
	cross gully-1	1	30.00	4.20	0.15	18.90		

	cross gully-2		1	26.00	4.30	0.15	16.77		
							270.84	481.24	130339.00
								Per cum	
	Basic Rate	454.00							
	Area Wtg 6%	27.24							
	Net Rate	481.24							
4	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.143, Item No.19.1)								
	For Drain desilting								
	13th cross		1	25.00	0.40	0.40	4.00		
	12th cross		2	38.00	0.50	0.45	17.10		
			2	90.00	0.50	0.40	36.00		
	11th B cross		2	150.00	0.50	0.45	67.50		
	For New Drain								
	21st A main LHS		1	34.00	1.00	1.00	34.00		
	R.H.S		1	178.00	1.00	1.00	178.00		
	For Road work								
	16th cross L G halli		1	92.00	5.00	0.20	92.00		
	13th cross		1	25.00	4.50	0.20	22.50		
	12th cross		1	95.00	4.50	0.20	85.50		
			1	38.00	4.50	0.20	34.20		
	11th B cross		1	56.00	2.20	0.20	24.64		
	11th B cross		1	152.00	4.40	0.20	133.76		
	cross gully-1		1	30.00	4.20	0.20	25.20		
	cross gully-2		1	26.00	4.30	0.20	22.36		
	Over burden earth		12	6.50	2.00	0.85	132.60		
							909.36	137.80	125310.00
								Per cum	
	Basic Rate	130.00							
	Area Wtg 6%	7.80							
	Net Rate	137.80							
5	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2.(P-13, I-4.3)								
	Sahakaranagra								
	21st main LHS		1	34.00	1.00	0.15	5.10		
	R.H.S		1	178.00	1.00	0.15	26.70		
	16th cross L G halli		1	92.00	5.00	0.15	69.00		
	13th cross		1	25.00	4.50	0.15	16.88		
	12th cross		1	95.00	4.50	0.15	64.13		

		1	38.00	4.50	0.15	25.65		
	11th B cross	1	56.00	2.20	0.15	18.48		
	11th B cross	1	152.00	4.40	0.15	100.32		
	cross gully-1	1	30.00	4.20	0.15	18.90		
	cross gully-2	1	26.00	4.30	0.15	16.77		
						361.92	5408.12	1957307.00
							Per Cum	
	Basic Rate 5102.00							
	Area Wtg 6% 306.12							
	Net Rate 5408.12							
6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. (Page 271, Item No. 37.59.2) wall and bottom thickness 15cms.							
	For Rcc drain							
	For Bottom	1	34.00	1.00	0.15	5.10		
		1	178.00	1.00	0.15	26.70		
	For Walls	2	34.00	0.15	0.70	7.14		
		2	178.00	0.15	0.70	37.38		
						76.32	7070.20	539598.00
							per Cum	
	Basic Rate 6670.00							
	Area Wtg 6% 400.20							
	Net Rate 7070.20							
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 (P-18, I-4.46.2) Fe 500							
	For Culverts Deck 50kg/cum	76.32			3816.00			
					3816.00			
				Total	3.82	75223.96		287055.00
						Per tonnes		
	Basic Rate 70966.00							
	Area Wtg 6% 4257.96							
	Net Rate 75223.96							
8	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. (page No.27, in No. 5.31.2) 10cm thick							
	21st main LHS	1	34.00	0.90		30.60		
	R.H.S	1	178.00	0.90		160.20		
					Total	190.80	966.72	184450.00

								Per Sqm	
	Basic Rate	912.00							
	Area Wtg 6%	54.72							
	Net Rate	966.72							
9	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. Wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 (Page No.26, Item No. 5.22)								
	21st main LHS		57		3.20		181.33		
	R.H.S		297		3.20		949.33		
						Total	1130.67	61.48	69513.00
								Per mtr	
	Basic Rate	58.00							
	Area Wtg 6%	3.48							
	Net Rate	61.48							
10	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 (Page No.26,, Item No. 5.17)								
	for covering slabs		1	34.00	0.90		30.60		
			1	178.00	0.90		160.20		
						Total	190.80	950.82	181416.00
								Per Smtr	
	Basic Rate	897.00							
	Area Wtg 6%	53.82							
	Net Rate	950.82							
11	Providing Machine cutting for BS slab including all lead and lift as per direction of Enginner-in charge of work (Data rate to be approved copy enclosed)								
	Qty vide Item No. 9						1130.67		
						Total	1130.67	60.00	67840.00
								Per Rmtr	
12	Providing and fixing Pre cast solid concrete kerb stones size 450 x 200 x 400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete..(page no.27, item no.5.29.1)								
	For Kerb stones		76				76.00		
			396				396.00		
							472.00		
	Deduction for shoulder drain						14.00		
						Total	458.00	477.00	218466.00
								per Nos	
	Basic Rate	450.00							
	Area Wtg 6%	27.00							
	Net Rate	477.00							

13	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.. (page no.124, item no.15.80)								
	For Kerb stones		458		0.45	0.40	82.44		
						Total	82.44	39.22	3233.00
								per sqm	
	Basic Rate	37.00							
	Area Wtg 6%	2.22							
	Net Rate	39.22							
14	KSRRB M800-6. Painting two coats on New Concrete Surface : Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. MORTH Specification No. 803 (Page No. 181, I No. 24.7)								
	kerb surface		458		0.45	0.40	82.44		
						Total	82.44	86.92	7166.00
								Per Smtr	
	Basic Rate	82.00							
	Area Wtg 6%	4.92							
	Net Rate	86.92							
15	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12 (Page No.34, Item No.7.9)								
	Gratings		14	0.09		21kg	26.46		
						Total	26.46	100.70	2665.00
								Per kg	
	Basic Rate	95.00							
	Area Wtg 6%	5.70							
	Net Rate	100.70							
16	Providing and fixing RCC 1:2:4 Precast slab for covrering using 10mm and Downsize granite jelly as per design including necessary centering, forming, Curing and finishing with CM 1:3 etc complete 100cm thick (As per Data rate approved)								
	20% available covering slab Qty vide item no 2						103.83		
	missing slabs		5	3.00	0.90		13.50		
						Total	117.33	2337.00	274200.00
								Per Sqm	
17	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M20 for R.C.C works laid in 15 cms thick layers and well compacted by vibrating, curing, for foundations & sub-structure works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) (page no.18, item no.4.48)								

	16th cross L G halli	1	92.00	5.00	0.125	57.50		
	13th cross	1	25.00	4.50	0.125	14.06		
	12th cross	1	95.00	4.50	0.125	53.44		
		1	38.00	4.50	0.125	21.38		
	11th B cross	1	56.00	2.20	0.125	15.40		
	11th B cross	1	152.00	4.40	0.125	83.60		
	cross gully-1	1	30.00	4.20	0.125	15.75		
	cross gully-2	1	26.00	4.30	0.125	13.98		
					Total	275.10	5770.64	1587503.00
							Per Cmtr	
	Basic Rate	5444.00						
	Area Wtg 6%	326.64						
	Net Rate	5770.64						
18	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.. (page no.176, Sl No.22.7)							
	16th cross L G halli	1	92.00	5.00		460.00		
	13th cross	1	25.00	4.50		112.50		
	12th cross	1	95.00	4.50		427.50		
		1	38.00	4.50		171.00		
	11th B cross	1	56.00	2.20		123.20		
	11th B cross	1	152.00	4.40		668.80		
	cross gully-1	1	30.00	4.20		126.00		
	cross gully-2	1	26.00	4.30		111.80		
					Total	2200.80	72.08	158634.00
							Per sqm	
	Basic Rate	68.00						
	Area Wtg 6%	4.08						
	Net Rate	72.08						
19	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(page no.176, item no.22.8.1) concrete pavement							
	16th cross L G halli	12	5.00			60.00		
	13th cross	3	4.50			13.50		
	12th cross	12	4.50			54.00		
		5	4.50			22.50		
	11th B cross	7	2.20			15.40		
	11th B cross	19	4.40			83.60		
	cross gully-1	4	4.20			16.80		
	cross gully-2	3	4.30			12.90		
					Total	278.70	143.10	39882.00

								Per mtr	
	Basic Rate	135.00							
	Area Wtg 6%	8.10							
	Net Rate	143.10							
20	Lead for disposal of debris shall be payable at carrage rates by mechanical means including loading and unloading From 13.30 Kms								
	Qty vide item No 1+3						1180.20		
	For Debries						10.40		
							1190.60	91.05	108404.00
								Per cmtr	
							Total Rs:-		6033090.00
21	Add GST Charges 12%								723970.80
22	Add KRIDL Charges 3.00%								180992.70
23	Add Labour cess 1%								60330.90
24	Miscellaneous and unforeseen charges								1615.60
							Total Rs:-		7000000.00
	(Rupees Seventy Lakhs only)								

CERTIFICATES

1 The work will be Executed within BBMP limit only

2 The work spot is inspected by me

3 The items Provided in the Estimate are quite Essential

4 The Estimate is prepared Based on CSR 2018-2019

Asst.Engineer
Waard No-08

Asst. Executive Engineer
Kodigehalli Subdivision
BBMP, Bangalore

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore

ADMINISTRATIVE APPROVAL

Accorded For Rs. Seventy lakhs only

Head of A/c. P-3111

Div. Ref. No. 09/19-20 Date 21/06/19

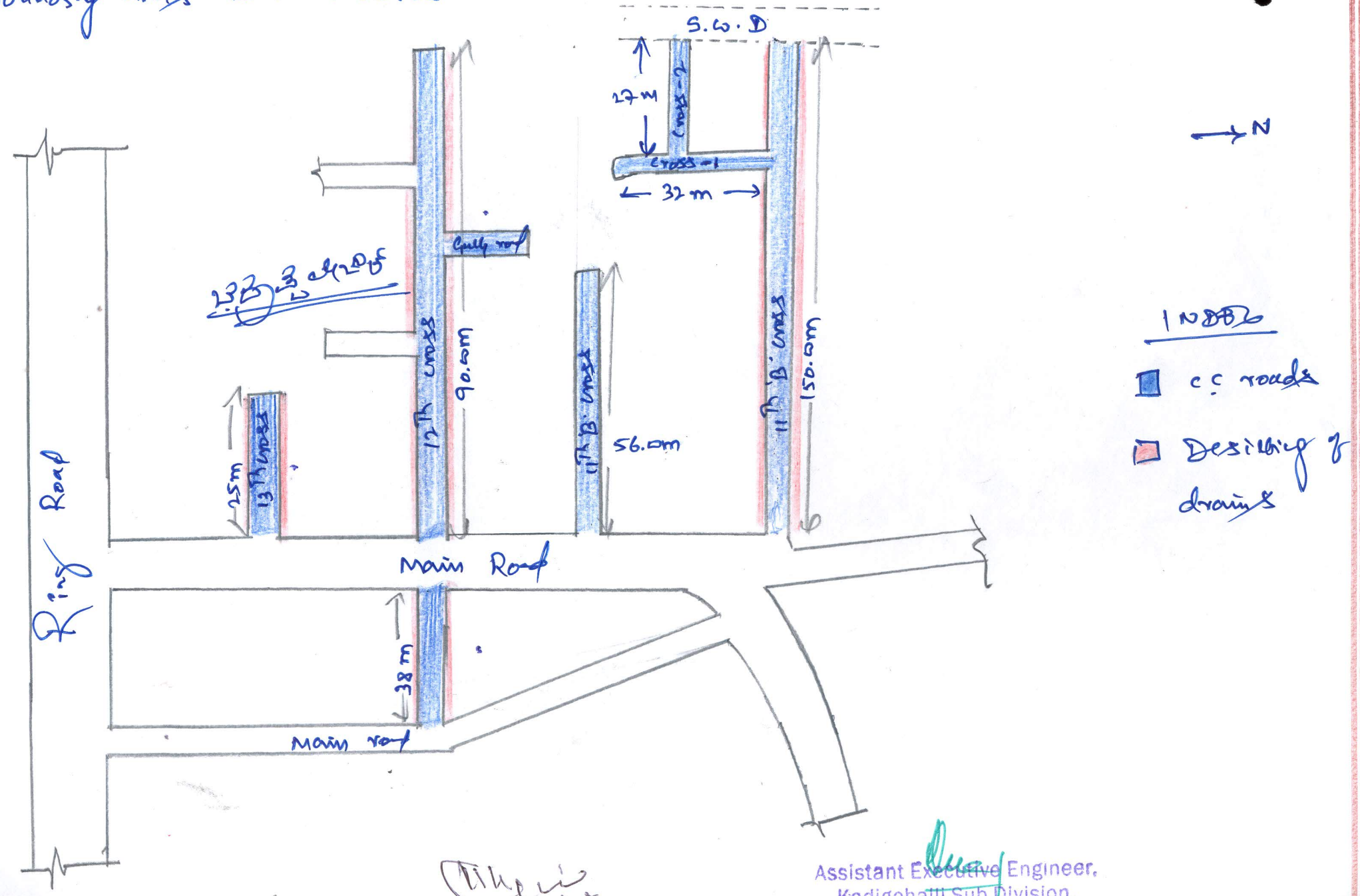
AE 21/06

EE(BTP) 21/06

Technical Sanction
Accorded For Rs.70 lakhs only
Head of A/C. P-3111
CER NO : 34 Dt. 22.06.2019

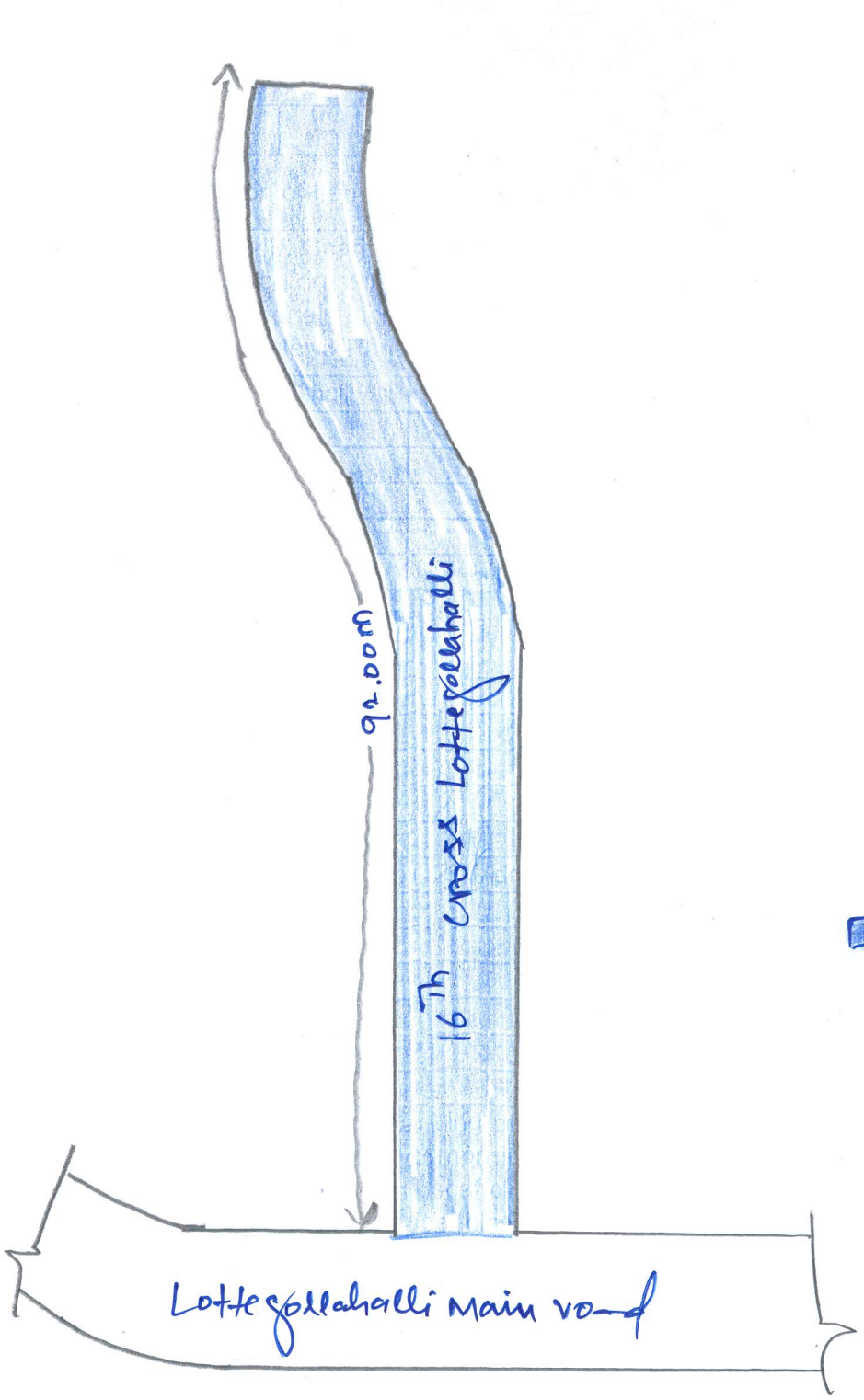
TA CE (YNK)

Improvements of road and drain in Devinagara, Balaji layout, Bhadrappa layout and Surrounding areas in ward no. 08



Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name of work:- Improvements of road and drain in Devegara, Balaji layout, Bhadrappa layout and Surrounding areas in ward no. 08



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